



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Paul D. Ringgenberg
Serial No.: 10/790,908
Filed: March 2, 2004
Entitled: DISTRIBUTED TEMPERATURE
SENSING IN DEEP WATER SUBSEA
TREE COMPLETIONS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As listed on the accompanying form PTO-SB-08, the Applicant hereby calls the examiner's attention to the following information of which he is aware, in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56. Copies of the listed references, other than U.S. patents, are enclosed with this Information Disclosure Statement.

U.S. Patents:

6,464,405 6,439,778 6,332,787 5,803,167

Publications:

Intelligent Wells, "Optical Fiber Technology," dated October, 2002

Intelligent Wells, "Oil field Applications of HydrOptics Technology," dated October, 2002

World Oil, "World's first multiple fiber-optic intelligent well," dated March, 2003

Underwater Magazine, "Underwater Mateable Connectors in the Military and Telecom Sectors," dated September/October, 2002

Sea Technology, "The Ruggedization of Hybrid Wet-Mate Connectors," dated July, 2000

Sea Technology, "Optical Fiber and Connectors: Critical for Future Subsea Systems," undated

OTC 15323, "The Development and Application of HT/HP Fiber-Optic Connectors for use on Subsea Intelligent Wells," dated 2003

Journal of Petroleum Technology, "Development of HP/HT Fiber-Optic Connectors for Subsea Intelligent Wells," dated August, 2003

Sea Technology, "Hybrid Wet-Mate Connectors: 'Writing the Next Chapter,'" dated July, 1997

Tronic, "Tronic Fibre Optic Wellhead Feedthrough Connectors," undated

Tronic, "FireFly Project," undated

OTC 13235, "Extending Tieback Distances: Wet-Mate Connectors, Enabling Technologies for Critical Systems Developments," dated 2001

Ocean Design, "Underwater Mateable Connectors: Enabling Technology and the Next Step in Performance for Navy and Telecom Applications," presented at Underwater Intervention Conference, 2002

W Magazine, "Intelligent Well Completion, the next steps," dated September, 2002

Production Optimization, "Intelligent Completions," undated

Seacon, "MicroStar, 4-channel, Wet-Mate, Optical Connector," undated

Ocean Design, Inc., "Ocean Design Introduces New I-CONN Product Line," dated July 22, 2002

Weatherford, "Intelligent Well Briefing," dated May 14, 2003

"Pioneering Fibre Optic Completion Installation in the Mahogany Field, Offshore Trinidad," undated

PES, "Model OF Fibre Optic Orientating Disconnect Head," dated October 23, 2000

SPE 71676, "The Use of Fiber-Optic Distributed Temperature Sensing and Remote Hydraulically Operated Interval Control Valves for the Management of Water Production in the Douglas Field," dated 2001

SPE 84324, "Brunei Field Trial of a Fibre Optic Distributed Temperature Sensor (DTS) System in a 1,000 m Open Hole Horizontal Oil Producer," dated 2003

Halliburton, "X-Line® and R-Line® Landing Nipples and Lock Mandrels; Set and Lock Reliability in Subsurface Flow Control Equipment with a Total Completion Package", dated March 1997

Focal Technologies Corporation, Product Brochure for Model 286, dated April 15, 2003

This Information Disclosure Statement is being filed under the provisions of 37 CFR §1.97(b)(3), which provides for the timely filing of an Information Disclosure Statement before the mailing of a first Office Action on the merits.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. Further, the filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner.

Written notification that the listed documents have been considered in their entirety, by return of a copy of the enclosed form completed by the examiner, is respectfully requested.

Respectfully submitted,

KONNEKER & SMITH, P.C.



Marlin R. Smith
Attorney for Applicants
Registration No. 38,310

Dated: *Apr. 1, 2004*

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on APRIL 2, 2004
Shane Jaffer

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PTO/SB/08A (08-00)
Approved for use through 10/31/2002, OMB 0651-0031

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Substitute for form 1449A/PTO		APR 08 2004	<i>Patent Disclosure Statement by Applicant</i>													
INFORMATION DISCLOSURE STATEMENT BY APPLICANT																
(use as many sheets as necessary)																
Sheet	1	of	4	<i>Complete if Known</i>												
		<table border="1"> <tr> <td>Application Number</td> <td>10/790,908</td> </tr> <tr> <td>Filing Date</td> <td>March 2, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Paul D. Ringgenberg</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>2003-IP-011866 U1 USA</td> </tr> </table>			Application Number	10/790,908	Filing Date	March 2, 2004	First Named Inventor	Paul D. Ringgenberg	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	2003-IP-011866 U1 USA
Application Number	10/790,908															
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Examiner Name	Unassigned															
Attorney Docket Number	2003-IP-011866 U1 USA															

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet

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Complete if Known

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First Named Inventor	Paul D. Ringgenberg
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number

2002-IP-011866 U1 USA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		INTELLIGENT WELLS, "OPTICAL FIBER TECHNOLOGY," dated OCTOBER, 2002	
		INTELLIGENT WELLS, "OIL FIELD APPLICATIONS OF HYDROPTICS TECHNOLOGY," dated OCTOBER, 2002	
		WORLD OIL, "WORLD'S FIRST MULTIPLE FIBER-OPTIC INTELLIGENT WELL," dated MARCH, 2003	
		UNDERWATER MAGAZINE, "UNDERWATER MATEABLE CONNECTORS IN THE MILITARY AND TELECOM SECTORS," dated SEPTEMBER/OCTOBER, 2002	
		SEA TECHNOLOGY, "THE RUGGEDIZATION OF HYBRID WET-MATE CONNECTORS," dated JULY, 2000	
		SEA TECHNOLOGY, "OPTICAL FIBER AND CONNECTORS: CRITICAL FOR FUTURE SUBSEA SYSTEMS," undated	
		OTC 15323, "THE DEVELOPMENT AND APPLICATION OF HT/HP FIBER-OPTIC CONNECTORS FOR USE ON SUBSEA INTELLIGENT WELLS," dated 2003	
		JOURNAL OF PETROLEUM TECHNOLOGY, "DEVELOPMENT OF HP/HT FIBER-OPTIC CONNECTORS FOR SUBSEA INTELLIGENT WELLS," dated AUGUST, 2003	
		SEA TECHNOLOGY, "HYBRID WET-MATE CONNECTORS: 'WRITING THE NEXT CHAPTER'," dated JULY, 1997	
		TRONIC, "TRONIC FIBRE OPTIC WELLHEAD FEEDTHROUGH CONNECTORS," undated	
		TRONIC, "FIREFLY PROJECT," undated	

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Sheet

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		OTC 13235, "EXTENDING TIEBACK DISTANCES: WET-MATE CONNECTORS, ENABLING TECHNOLOGIES FOR CRITICAL SYSTEMS DEVELOPMENTS," dated 2001	
		OCEAN DESIGN, "UNDERWATER MATEABLE CONNECTORS: ENABLING TECHNOLOGY AND THE NEXT STEP IN PERFORMANCE FOR NAVY AND TELECOM APPLICATIONS," PRESENTED AT UNDERWATER INTERVENTION CONFERENCE, 2002	
		W MAGAZINE, "INTELLIGENT WELL COMPLETION, THE NEXT STEPS," dated SEPTEMBER, 2002	
		PRODUCTION OPTIMIZATION, "INTELLIGENT COMPLETIONS," undated	
		SEACON, "MICROSTAR, 4-CHANNEL, WET-MATE, OPTICAL CONNECTOR," undated	
		OCEAN DESIGN, INC., "OCEAN DESIGN INTRODUCES NEW I-CONN PRODUCT LINE," dated JULY 22, 2002	
		WEATHERFORD, "INTELLIGENT WELL BRIEFING," dated MAY 14, 2003	
		"PIONEERING FIBRE OPTIC COMPLETION INSTALLATION IN THE MAHOGANY FIELD, OFFSHORE TRINIDAD," undated	
		PES, "MODEL FO FIBRE OPTIC ORIENTATING DISCONNECT HEAD," dated OCTOBER 23, 2000	
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